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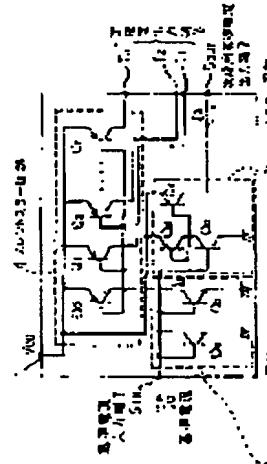
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(54) MULTI-OUTPUT TYPE CONSTANT CURRENT SUPPLY INTEGRATED CIRCUIT

(57)Abstract:

PURPOSE: To omit the correction of a constant current to each integrated circuit IC by providing a reference current generating means which outputs a current equal to a reference current supplied from an external constant current source to an IC of the next stage based on the reference current.

CONSTITUTION: A reference current input terminal SIN is provided to receive a reference current IO from an external constant current source together with a current mirror circuit 3 which obtains a constant current equal to the current IO received via the terminal SIN, and a current mirror circuit 4 which generates many constant current outputs opposite in 1:1 to the constant current output terminals T1-Tn. A current mirror circuit 5 consists of transistors Qc, Qd and Qe and produces a constant current IO equivalent to the reference current IO. The constant current IO is used as a reference current of the IC of the next stage and outputted via a reference current output terminal SOUT for the next stage. In such a constitution, the variance is reduced for the reference current produced by a constant current source for each IC. Then no correction is required for the constant current value of each IC.



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